ATTORNEY DOCKET NO. HAR66 816 CONT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent Application of McCandless, et al.

Serial No.: 10/075,387 Art Unit: 2821

Filed: February 15, 2002 Examiner: Michael C. Wimer

Title: POLARIZATION PLATE

ok to enter 4/22/04

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Responsive to the Advisory Action received April 1, 2004, the Applicant submits the following amendment and remarks as follows:

In the claims:

Please cancel Claims 60-62, 89 and 90 without prejudice.

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Serial No.: Unassigned Art Unit: 2821

Filed: Herewith Examiner: M. Wimer

Title: POLARIZATION PLATE

PRELIMINARY AMENDMENT

The Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Preliminary to examination of the subject application, Applicant amends the application as follows:

In the Specification:

Page 2, please insert the following paragraph immediately following "RELATED APPLICATIONS";

--This application is a continuation of Application Serial No. 09/267,251 filed March 12, 1999, abandoned for "Polarization Plate".--

Please add the following paragraph after the last paragraph on page 6:

--FIGURE 9 depicts a three dimensional view of a simplified version, for clarity, of the alternative embodiment of the polarization plate illustrated in FIGURE 8.--

CLAIM AMENDMENTS

1-39 (Previously Cancelled)

40-59 (Previously Cancelled)

60-62 (Currently Cancelled)

63-68 (Previously Cancelled)

69. (Previously Amended) The waveguide system of Claim 79 wherein said first polarization is substantially identical to said second polarization.

70. (Previously Amended) The waveguide system of Claim 79 wherein said first polarization is substantially orthogonal to said second polarization.

71. (Previously Amended) The waveguide system of Claim 79 wherein the amount of rotational offset of the slot in the polarization plate from the orientation of the first passage is substantially 45°.

72. (Previously Amended) The waveguide system of Claim 79 wherein the rotational offset between said first ~~path~~ passage and said slot is the same as the rotational offset between said slot and said second ~~path~~ passage.

73. (Previously Amended) The waveguide system of Claim 79 wherein said signal is a radio frequency signal in the range of 2 to 110 GHz.

74. (Previously Amended) The waveguide system of Claim 79 wherein said signal is a radio frequency signal is in the microwave frequency range.

75. (Previously Amended) The waveguide system of Claim 79 wherein said first ~~path~~ passage is associated with a radio communication apparatus and said second ~~path~~ passage is associated with an antenna.

76. (Previously Added) The waveguide system of Claim 75 wherein said antenna is a polarized antenna and the polarization of said polarized antenna is the same as the polarization of said second ~~path~~ passage.

77. (Previously Amended) The waveguide system of Claim 79 wherein said first ~~path~~ passage is associated with an antenna and said second ~~path~~ passage is associated with a radio communication apparatus.

78. (Previously Added) The waveguide system of Claim 77 wherein said antenna is a polarized antenna and the polarization of said polarized antenna matches the polarization of the first ~~path~~ passage.

79. (Previously Amended) A waveguide system for propagating a signal wherein said signal enters said waveguide system oriented with a first polarization and exits said waveguide system oriented with a second polarization, said waveguide system comprising:

a first waveguide adapted to be operatively connected to a polarization plate, said first waveguide comprising a first passage for propagating said signal through the first waveguide wherein said first passage is oriented substantially similar to the orientation of the signal when the signal is oriented with said first polarization;

a second waveguide adapted to be operatively connected to the polarization plate, said second waveguide comprising a second passage for propagating said signal through the second waveguide wherein said second passage is oriented substantially similar to the orientation of the signal when the signal is oriented with said second polarization; and